



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

June 26, 2008

Mr. Gerardo C. Rios  
Chief, Permit Office  
US EPA Region IX Air 3  
75 Hawthorne Street  
San Francisco, CA 94105-3901

Dear Mr. Rios:

Subject: Schlosser Forge Company – I.D. No. 15504, Title V Permit Modification

Schlosser Forge Company has proposed to revise their Title V permit by adding an abrasive blasting machine, D 138 (A/N 479954) and its associated baghouse, C 142 (A/N 479955).

This is a rolled ring and forge product manufacturing facility (SIC 3460) located at 11711 Arrow Route, Rancho Cucamonga, CA 91730. This proposed permit revision is considered as a “de minimis significant permit revision” to their Title V permit. Enclosed for your review are the permit evaluation and the proposed Section D. With your receipt of the proposed Section D today, we will note that the EPA 45-day review period will begin on June 26, 2008.

If you have any questions or need additional information regarding the proposed permit revision, please contact Mr. Kien Huynh at (909) 396-2635.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a diagonal line that extends from the signature down towards the typed name.

Brian L. Yeh  
Senior Manager  
Chemical/Mechanical Operations

BLY:kh

Enclosures

<p style="text-align: center;">SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</p> <p style="text-align: center;"><i>ENGINEERING &amp; COMPLIANCE</i></p> <p style="text-align: center;">APPLICATION PROCESSING AND CALCULATIONS</p>	<p>Page 1 of 2</p> <p>A/N 479954 &amp; 479955</p> <p>Processed By KH</p> <p>Checked By</p> <p>Date 4/14/08</p>
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P/C Evaluation

Applicant's Name: Schlosser Force Company  
Mailing Address: 11711 Arrow Route  
Rancho Cucamonga, CA 91730

Equipment Location: Same

Equipment Description:

APPLICATION NO. 479954: D138  
ABRASIVE BLASTING MACHINE, STEEL GRIT, PANGBORN, MODEL 8LK-3, 11' - 3.875"W. x 13' - 8"L. x 24' - 11.875"H., WITH TWO 30-HP WHEELS, ONE 3-HP ABRASIVE ELEVATOR, ONE 1' - 8"DIA. x 4' - 10"H. SCALPING DRUM AND ONE 2-HP SCREW CONVEYOR, ONE 34.5 CU. FT. CAPACITY STORAGE HOPPER, AND ONE 3-HP WORK TABLE.

APPLICATION NO. 479955: C142  
AIR POLLUTION CONTROL SYSTEM CONSISTING OF:  
1. DUST COLLECTOR, PANGBORN, MODEL PC03-10, WITH 10 FILTER CARTRIDGES, EACH 1' - 2"DIA. x 2' - 2"H., 1,900 SQ. FT. TOTAL FILTERING AREA, AND PULSE JET CLEANING.  
2. EXHAUST SYSTEM WITH ONE 15-HP BLOWER VENTING ONE ABRASIVE BLASTING MACHINE.

HISTORY:

Application(s) received on: 3/26/08  
Equipment installed: N/A  
Violations recorded: 1 Notice to Comply has been issued in the last 2 years. All concerns pertaining to the notice have been resolved.

The applications were filed for permits to construct a new abrasive blasting equipment and a new air pollution control (APC) system.

PROCESS DESCRIPTION

The equipment is used to descale forged rolled rings.

CALCULATIONS

See ATTACHMENT(S).

RULE EVALUATION

Rule 212:

(c) (1): Emissions near a school

The equipment is not located within 1000 feet from the outer boundary of a school. (The nearest school is 1056 feet from the facility). This is not a project requiring notification under this paragraph.

\*Source: [http://www.greatschools.net/cgi-bin/template\\_plain/advanced/CA/#address](http://www.greatschools.net/cgi-bin/template_plain/advanced/CA/#address)

(c) (2): On-site emission increases exceeding the daily maximums

The emission increases do not exceed any of the daily maximums specified in subdivision (g) of this rule. This is not a project requiring notification as described in this paragraph.

(c) (3): Emissions of toxic air contaminants

MICR is less than 1 in a million. This is not a project requiring notification under this paragraph.

(g) Emission increases exceeding the daily maximums

The emission increases do not exceed any of the daily maximums specified in subdivision (g) of this rule. The equipment is not subject to the notification requirements of this subdivision.

Rule 401:

With the dust collector as control equipment, compliance with this rule is expected.

<p style="text-align: center;">SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</p> <p style="text-align: center;"><i>ENGINEERING &amp; COMPLIANCE</i></p> <p style="text-align: center;">APPLICATION PROCESSING AND CALCULATIONS</p>	<p>Page 2 of 2</p> <p>A/N 479954 &amp; 479955</p> <p>Processed By KH</p> <p>Checked By</p> <p>Date 4/14/08</p>
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Rule 402:

Nuisance problems due to the operation of this equipment are unlikely.

Rule 404:

	Concentrations, gr/cf		
Flow rate, cfm	Rule 404 Limit	Calculated	Compliance
6,000	0.10	0.0049	Yes

Rule 405:

	Emission Rates, lb/hr		
Process Weight, lb/hr	Rule 405 Limit	Calculated	Compliance
110,400	17.51	0.25	Yes

Rule 1140:

Confined blasting is used and the equipment is expected to comply with the rule visible emission limit.

Regulation XIII:

BACT:

The dust collector is BACT for the equipment.

Offsets:

The facility PTE is less than the amounts in Table A of Rule 1304. No offsets are required.

Modeling:

The emissions are less than the amounts in Table A-1 of Rule 1303. No further analysis is required. Complies.

Dust Collector Guidelines Review:

	Recommended	Actual	Satisfied
Enclosed dust containers	Yes	Yes	Yes
Diff. Pressure Gauge	Yes	Yes	Yes
Cleaning method	Power shaker or better	Pulse jet	Yes
Air-to-cloth ratio	8.00	3.16	Yes

Rule 1401:

MICR is expected to be less than 1 in a million and HIs are expected to be less than 1. Complies.

DISCUSSIONS

Based on information submitted with the application and the above evaluation, it is determined that the equipment will operate in compliance with all the applicable rules and regulations of the District.

RECOMMENDATIONS

Issue permit subject to the permit conditions as stated in Section D.

# **ATTACHMENT A** **Calculations**

A/N: 479954

## **Given:**

PM10 in total PM:	
At control system inlet:	70%
At control system outlet:	100%
(Assumed)	
Control efficiency:	99%
(Assumed)	
Filter area: (Baghouse)	1,900 ft <sup>2</sup>
Blower capacity:	6,000 cfm
Emission factor for steel shot:	0.3 lb/hr-HP
Impact to Fracture	
Steel shot	2500
Steel grit	1800
Number of wheels	2
Wheel horsepower	30 HP
Operating schedule:	
hrs/day	9.96
days/wk	7
wks/yr	52
Usage factor	1
Days per month (for hours/month calculations)	30
Weeks per month:	4.286

## **Calculations:**

Emission factor:	$0.3 * 2500 / 1800 =$	0.417 lb/hr-HP
Process weight per wheel:		55,200 lb/hr
Total process weight:	$55200 \text{ lb/hr-wheel} * 2 \text{ wheels} =$	110,400 lb/hr
Emissions:		
PM emissions:		
Uncontrolled		
lb/hr	$0.417 \text{ lb/hr-HP} * 30 \text{ HP/wheel} * 2 \text{ wheels} =$	25
lb/day	$25 \text{ lb/hr} * 9.96 \text{ hrs/day} =$	249
Controlled:		
lb/hr	$25 \text{ lb/hr} * (1 - 0.99) =$	0.25
lb/day	$0.25 \text{ lb/hr} * 9.96 \text{ hrs/day} =$	2.49
PM10 emissions:		
Uncontrolled		
lb/hr	$25 \text{ lb/hr} * 0.7 =$	17.5
Controlled:		
lb/hr	$0.25 \text{ lb/hr} * 1 =$	0.25
lb/day	$2.49 \text{ lb/day} * 1 =$	2.49
lb/yr	$2.49 \text{ lb/day} * 7 \text{ days/wk} * 52 \text{ wks/yr} =$	906.36
Mg emissions:		
Uncontrolled		
lb/hr	$25 \text{ lb/hr} * 0.012 =$	0.3
Controlled:		
lb/hr	$0.3 \text{ lb/hr} * (1 - 0.99) =$	0.003

	PM		PM10		Mg		Ni	
					1.20%		0.20%	
	Uncontr.	Controlled	Uncontr.	Controlled	Uncontr.	Controlled	Uncontr.	Controlled
lb/hr	25.00	0.25	17.50	0.25	0.30	0.0030	0.050	0.00050
lb/day								
Max.	249.00	2.49	174.30	2	2.99	0.03	0.50	0.005
Avg.	249.00	2.49	174.30	2	2.99	0.03	0.50	0.005
lb/yr (Contr.)				906.36		10.88		1.81

Air-to-cloth ratio: 6000 cfm/1900 ft<sup>2</sup> = 3.16 to 1  
 PM concentration: 0.25 lb/hr/60 min/hr\*7000 grains/lb/6000 cfm = 0.0049 gr/cf  
 Operating time limit: 9.96 hrs/day\*7 days/wk\*4.286 wks/month= 299 hrs/month

### TIER 3 SCREENING RISK ASSESSMENT

Application deemed complete date: 03/26/08

A/N: 479954

**Fac:** Schlosser Forge

## Stack Data

Stack Data		Units
Hour/Day	10	hr/day
Day/Week	7	day/wk
Week/Year	52	wk/yr
Emission Units	lb/hr	
	0	
Control Efficiency	0.00	fraction range 0-1
Does source have TBACT?	NO	
Point or Volume Source ?	P	P or V
Stack Height or Building Height	12.21	feet
Area (For Volume Source Only)		ft²
Distance-Residential	1000	meters
Distance-Commercial	35	meters
Meteorological Station		Upland

Source Type:	O - Other
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Screening Mode	YES
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Emission Units	lb/hr
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Source output capacity	n/a
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**FOR USER-DEFINED CHEMICALS AND EMISSIONS, FILL IN THE TABLE BELOW**

[illegible]

TIER 3 SCREENING RISK ASSESSMENT

Application deemed complete date: 03/26/08

A/N:

Fac:

479954

Schlusser Forge

2. Tier 2 Data

MET Factor	1.00
4 hr	0.84
6 or 7 hrs	0.72

Dispersion Factors

2	3A & 3B For Chronic X/Q
6	For Acute X/Q

Dilution Factors (ug/m3)/(tons/yr)

Receptor	X/Q	X/Qmax
Residential	0.150296804	8.22875
Commercial	2.130414003	116.6401667

Adjustment and Intake Factors

	Afann	DBR	EVF
Residential	1	302	0.96
Worker	2.4	149	0.38

### 3. Rule 1401 Compound Data

[illegible]



#### 4. Emission Calculations

[illegible]



## 6. Hazard Index

HIA = [Q(lb/hr) \* (X/Q)max] \* AF / Acute REL

HIC = [Q(ton/yr) \* (X/Q) \* MET \* MP] / Chronic REL

Target Organs	Acute	Chronic	Acute Pass/Fail	Chronic Pass/Fail
Alimentary system (liver) - AL			Pass	Pass
Bones and teeth - BN			Pass	Pass
Cardiovascular system - CV			Pass	Pass
Developmental - DEV			Pass	Pass
Endocrine system - END			Pass	Pass
Eye			Pass	Pass
Hematopoietic system - HEM		3.88E-02	Pass	Pass
Immune system - IMM	9.72E-03		Pass	Pass
Kidney - KID			Pass	Pass
Nervous system - NS		5.82E-02	Pass	Pass
Reproductive system - REP			Pass	Pass
Respiratory system - RES	9.72E-03	3.88E-02	Pass	Pass
Skin			Pass	Pass

A/N: 479954

Application deemed complete date: 03/26/08

6a. Hazard Index Acute

HIA =  $[Q(\text{lb/hr}) * (X/Q)_{\text{max}}] * \text{AF/ Acute REL}$

HIA - Residential										
Compound	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Manganese and manganese compounds Nickel & nickel compounds (except nickel oxide);						6.86E-04			6.86E-04	
Total						6.86E-04			6.86E-04	

Compound	HIA - Commercial									
	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Manganese and manganese compounds Nickel & nickel compounds (except nickel oxide):						9.72E-03			9.72E-03	
Total						9.72E-03			9.72E-03	

6b. Hazard Index Chronic

$$HIC = [Q(tenlyr) * (X/Q) * MET * MP] / Chronic REL$$

HIC - Residential													
Compound	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Manganese and manganese compounds Nickel & nickel compounds (except nickel oxide):							2.74E-03			4.10E-03		2.74E-03	
Total							2.74E-03			4.10E-03		2.74E-03	

6b. Hazard Index Chronic (cont.)

A/N: 479954

Application deemed complete date:

03/26/08

Compound	HIC - Commercial												
	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Manganese and manganese compounds Nickel & nickel compounds (except nickel oxide):							3.88E-02			5.82E-02		3.88E-02	
Total							3.88E-02			5.82E-02		3.88E-02	





**Modeling Data**  
**12.21 ft Stack**

Exhaust flow rate:

acfm

6,000

scfm

Stack diameter, in

23.582

Stack height, ft

12.21

Temperature, F

70

Catalytic

Yes	No*
	x

Rain cap?

\*Or with a swing raincap fully open when operated.

Data for modeling:

Actual volume flow rate (ACFM)

6,000

Stack diameter, m

0.60

Stack height, m

3.72

Temperature, K

294

05/16/08  
13:21:44

\*\*\* SCREEN3 MODEL RUN \*\*\*  
\*\*\* VERSION DATED 96043 \*\*\*

Schlosser 479954

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT  
EMISSION RATE (G/S) = 1.00000  
STACK HEIGHT (M) = 3.7200  
STK INSIDE DIAM (M) = .6000  
STK EXIT VELOCITY (M/S) = 10.0150  
STK GAS EXIT TEMP (K) = 294.0000  
AMBIENT AIR TEMP (K) = 293.0000  
RECEPTOR HEIGHT (M) = .0000  
URBAN/RURAL OPTION = URBAN  
BUILDING HEIGHT (M) = .0000  
MIN HORIZ BLDG DIM (M) = .0000  
MAX HORIZ BLDG DIM (M) = .0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.  
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

STACK EXIT VELOCITY WAS CALCULATED FROM  
VOLUME FLOW RATE = 6000.0000 (ACFM)

BUOY. FLUX = .030 M\*\*4/S\*\*3; MOM. FLUX = 8.996 M\*\*4/S\*\*2.

\*\*\* FULL METEOROLOGY \*\*\*

\*\*\*\*\*  
\*\*\* SCREEN AUTOMATED DISTANCES \*\*\*  
\*\*\*\*\*

\*\*\* TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES \*\*\*

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
25.	847.5	4	10.0	10.0	3200.0	4.92	4.01	3.52	NO
100.	882.1	6	1.0	1.0	10000.0	13.33	11.13	7.95	NO
200.	675.4	6	1.0	1.0	10000.0	13.33	21.35	14.30	NO
300.	405.8	6	1.0	1.0	10000.0	13.33	31.30	20.12	NO
400.	266.3	6	1.0	1.0	10000.0	13.33	40.95	25.45	NO
500.	189.3	6	1.0	1.0	10000.0	13.33	50.28	30.36	NO
600.	142.8	6	1.0	1.0	10000.0	13.33	59.33	34.93	NO
700.	112.5	6	1.0	1.0	10000.0	13.33	68.11	39.21	NO
800.	91.60	6	1.0	1.0	10000.0	13.33	76.64	43.24	NO
900.	76.52	6	1.0	1.0	10000.0	13.33	84.94	47.05	NO
1000.	65.25	6	1.0	1.0	10000.0	13.33	93.01	50.67	NO
1100.	56.56	6	1.0	1.0	10000.0	13.33	100.87	54.13	NO
1200.	49.70	6	1.0	1.0	10000.0	13.33	108.54	57.44	NO
1300.	44.18	6	1.0	1.0	10000.0	13.33	116.02	60.61	NO
1400.	39.66	6	1.0	1.0	10000.0	13.33	123.33	63.67	NO
1500.	35.89	6	1.0	1.0	10000.0	13.33	130.47	66.62	NO
1600.	32.72	6	1.0	1.0	10000.0	13.33	137.46	69.47	NO
1700.	30.02	6	1.0	1.0	10000.0	13.33	144.30	72.23	NO
1800.	27.70	6	1.0	1.0	10000.0	13.33	151.00	74.91	NO
1900.	25.68	6	1.0	1.0	10000.0	13.33	157.56	77.52	NO
2000.	23.91	6	1.0	1.0	10000.0	13.33	164.00	80.05	NO
2100.	22.36	6	1.0	1.0	10000.0	13.33	170.32	82.51	NO

2200.	20.98	6	1.0	1.0	10000.0	13.33	176.52	84.92	NO
2300.	19.74	6	1.0	1.0	10000.0	13.33	182.61	87.27	NO
2400.	18.64	6	1.0	1.0	10000.0	13.33	188.59	89.56	NO
2500.	17.64	6	1.0	1.0	10000.0	13.33	194.47	91.81	NO
2600.	16.74	6	1.0	1.0	10000.0	13.33	200.26	94.00	NO
2700.	15.92	6	1.0	1.0	10000.0	13.33	205.95	96.16	NO
2800.	15.17	6	1.0	1.0	10000.0	13.33	211.55	98.27	NO
2900.	14.49	6	1.0	1.0	10000.0	13.33	217.07	100.34	NO
3000.	13.86	6	1.0	1.0	10000.0	13.33	222.50	102.37	NO
3500.	11.35	6	1.0	1.0	10000.0	13.33	248.53	112.03	NO
4000.	9.583	6	1.0	1.0	10000.0	13.33	272.89	120.98	NO
4500.	8.275	6	1.0	1.0	10000.0	13.33	295.83	129.34	NO
5000.	7.270	6	1.0	1.0	10000.0	13.33	317.55	137.23	NO
5500.	6.477	6	1.0	1.0	10000.0	13.33	338.22	144.70	NO
6000.	5.835	6	1.0	1.0	10000.0	13.33	357.95	151.81	NO
6500.	5.306	6	1.0	1.0	10000.0	13.33	376.85	158.62	NO
7000.	4.863	6	1.0	1.0	10000.0	13.33	395.01	165.16	NO
7500.	4.487	6	1.0	1.0	10000.0	13.33	412.51	171.45	NO
8000.	4.164	6	1.0	1.0	10000.0	13.33	429.40	177.53	NO
8500.	3.883	6	1.0	1.0	10000.0	13.33	445.75	183.40	NO
9000.	3.638	6	1.0	1.0	10000.0	13.33	461.60	189.10	NO
9500.	3.421	6	1.0	1.0	10000.0	13.33	476.98	194.64	NO
10000.	3.228	6	1.0	1.0	10000.0	13.33	491.94	200.02	NO
15000.	2.059	6	1.0	1.0	10000.0	13.33	623.65	247.56	NO
20000.	1.509	6	1.0	1.0	10000.0	13.33	733.34	287.38	NO
25000.	1.190	6	1.0	1.0	10000.0	13.33	829.16	322.34	NO
30000.	.9821	6	1.0	1.0	10000.0	13.33	915.26	353.87	NO
40000.	.8032	4	1.0	1.0	320.0	21.75	1552.24	1553.17	NO
50000.	.7141	4	1.0	1.0	320.0	21.75	1745.75	1750.01	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 25. M:

119.	924.9	6	1.0	1.0	10000.0	13.33	13.18	9.25	NO
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DWASH= MEANS NO CALC MADE (CONC = 0.0)  
 DWASH=NO MEANS NO BUILDING DOWNWASH USED  
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED  
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED  
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE,  $X < 3 \cdot LB$

\*\*\*\*\*  
 \*\*\* SCREEN DISCRETE DISTANCES \*\*\*  
 \*\*\*\*\*

\*\*\* TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES \*\*\*

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
35.	766.5	4	5.0	5.0	1600.0	7.33	5.66	4.98	NO
1000.	65.25	6	1.0	1.0	10000.0	13.33	93.01	50.67	NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)  
 DWASH=NO MEANS NO BUILDING DOWNWASH USED  
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED  
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED  
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE,  $X < 3 \cdot LB$

\*\*\*\*\*  
 \*\*\* SUMMARY OF SCREEN MODEL RESULTS \*\*\*  
 \*\*\*\*\*

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
-----	-----	-----	-----
SIMPLE TERRAIN	924.9	119.	0.

\*\*\*\*\*  
 \*\* REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS \*\*  
 \*\*\*\*\*

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, F1501-1502, NATURAL GAS, WITH RECUPERATOR, 6 MMBTU/HR A/N: 304360	D3		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D323.1
FURNACE, FORGE, F4002, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175076	D4		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F1001, NATURAL GAS, 6.6 MMBTU/HR A/N: 175068	D5		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

- (2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, FORGE, F-751, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175072	D6		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F4050, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175077	D7		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F1003, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175069	D8		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
FURNACE, FORGE, F1203, NATURAL GAS, 4 MMBTU/HR A/N: 229251	D9		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F757, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175063	D10		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, FORGE, F451, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175057	D11		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F452, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175058	D12		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F803, NATURAL GAS, WITH RECUPERATOR, 6 MMBTU/HR A/N: 175066	D13		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
FURNACE, FORGE, F804, NATURAL GAS, WITH RECUPERATOR, 4 MMBTU/HR A/N: 175067	D14		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F453, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175059	D15		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, FORGE, F454, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175060	D17		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F1202, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175073	D18		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, HEAT TREATING, HT-03, NATURAL GAS, 2.3 MMBTU/HR A/N: 175080	D19		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
FURNACE, FORGE, F802, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU A/N: 175065	D21		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F1503, NATURAL GAS, WITH RECUPERATOR, 6 MMBTU/HR A/N: 175074	D22		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, HEAT TREATING, HT-02, NATURAL GAS, 3.8 MMBTU/HR A/N: 175079	D23		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, HEAT TREATING, HT-01, NATURAL GAS, 3.4 MMBTU/HR A/N: 175078	D24		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F1002, NATURAL GAS, 6.6 MMBTU/HR A/N: 175070	D26		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
FURNACE, FORGE, F756, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175062	D27		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F801, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175064	D28		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, FORGE, F1201, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175071	D29		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F4001, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175075	D30		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1
FURNACE, FORGE, F-4003, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 229252	D31		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	B59.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
FURNACE, FORGE, F-4005, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 306321          BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D57		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 0.038 LBS/MMBTU NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.2, B59.1, D12.1, E147.1
FURNACE, FORGE, F-4006, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 360929	D58		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.2, B59.1, D12.1, D28.1, K40.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
BURNER, NATURAL GAS, HAUCK MFG., WITH LOW NOX BURNER, 3 MMBTU/HR					
FURNACE, FORGE, F-4004, NATURAL GAS, 3 MMBTU/HR A/N: 258588	D63			CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, B59.1, D12.1
FURNACE, FORGE, F-752, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 360928  BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D64		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A63.4, B59.1, D12.1, D28.1, E147.1, K40.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, FORGE, F-4008, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 360931  BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D67		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A63.4, B59.1, D12.1, D28.1, E147.1, K40.1
FURNACE, FORGE, F753, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 355355	D68		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A63.4, B59.1, D12.1, D28.1, E147.1, K40.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR					
FURNACE, HEAT TREATING, F-4007, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 360930  BURNER, 2, EACH, NATURAL GAS, HAUCK MFG., MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D71		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A63.2, B59.1, D12.1, D28.1, E147.1, K40.1
FURNACE, FORGE, F-4012, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 375705	D73		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]	A63.4, B59.1, D12.1, D28.1, D323.1, E147.1, K40.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
BURNER, NATURAL GAS, PROPANE, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR				PM: 0.1 GRAINS/SCF (5) [RULE 404,2-7-1986] ; PM: (9) [RULE 404,2-7-1986]	
FURNACE, FORGE, F-4013, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 375706	D74		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A63.4, B59.1, D12.1, D28.1, D323.1, E147.1, K40.1
BURNER, NATURAL GAS, PROPANE, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR					

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FORGING/HEAT TREATING</b>					
FURNACE, FORGE, F-3004, NATURAL GAS, RECUPERATOR, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4 MMBTU/HR WITH A/N: 372364  BURNER, NATURAL GAS, HAUCK MANUFACTURING COMPANY, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D94		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1, D12.1, D28.1, D323.1, E147.1, K40.1
FURNACE, FORGE, F-3003, NATURAL GAS, RECUPERATOR, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4 MMBTU/HR WITH A/N: 372365  BURNER, NATURAL GAS, HAUCK MANUFACTURING COMPANY, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D96		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1, D12.1, D28.1, D323.1, E147.1, K40.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



* (1)(1A)(1B) Denotes RECLAIM emission factor	(2)(2A)(2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit	(4) Denotes BACT emission limit
(5)(5A)(5B) Denotes command and control emission limit	(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit	(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits	(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, ROOM, GRIT, WIDTH: 14 FT; HEIGHT: 12 FT; LENGTH: 18 FT WITH A/N: 170744  ABRASIVE BLASTING NOZZLE, GRIT, DIAMETER: 0.5 IN; 100 PSIG  SCREEN, CLASSIFYING  BUCKET ELEVATOR	D33     D34  D35	C36		PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	D323.2
BAGHOUSE, MMF, 3110 SQ.FT.; 216 BAGS A/N: 172004	C36	D33		PM: (9) [RULE 404,2-7-1986]	D322.1, D381.1, E448.1, K67.1
ABRASIVE BLASTING, STEEL SHOT/GRIT, WITH TWO 30-HP WHEELS AND A 3-HP WORK TABLE, WIDTH: 11 FT 4 IN; HEIGHT: 25 FT; LENGTH: 13 FT 8 IN WITH A/N:  BUCKET ELEVATOR  DRUM, SCALPING, WITH A SEPARATOR AND ONE 2-HP SCREW CONVEYOR  HOPPER, STORAGE, 34.5 CU. FT. CAPACITY	D138   D139  D140  D141	C142		PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	C1.4, D323.2

- \* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : ABRASIVE BLASTING</b>					
BAGHOUSE, PANGBORN, MODEL PC03-10, PULSE JET CLEANING, 1900 SQ.FT.; 10 CARTRIDGE A/N:	C142	D138		PM: (9) [RULE 404,2-7-1986]	D12.3, D322.1, D381.1, E448.1, K67.1
<b>Process 4 : WASTE WATER PRE-TREATMENT SYSTEM</b>					
SUMP, 600 GALLON A/N: 233478	D41				
STORAGE TANK, WASTE OIL, 1000 GALS A/N: 233478	D42				
TANK, INDUCED AIR FLOTATION, 5000 GALS A/N: 233478	D43				
TANK, REACTOR, 3000 GALS A/N: 233478	D44				
DRUM A/N: 233478	D45				
TANK, FLOCCULATION, 200 GALS A/N: 233478	D46				
CLARIFIER, WIDTH: 6 FT; HEIGHT: 10 FT; LENGTH: 9 FT 4 IN A/N: 233478	D47				
STORAGE TANK, SLUDGE THICKENER, 1100 GALS A/N: 233478	D48				
FILTER PRESS, NETZSCH, MODEL 470 A/N: 233478	D49				

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : WASTE WATER PRE-TREATMENT SYSTEM</b>					
TANK, HOLDING, EFFLUENT, HEIGHT: 3 FT 11 IN; DIAMETER: 3 FT 9 IN A/N: 233478	D50				
TANK, HOLDING, BASIC SOLUTION, 500 GALS; DIAMETER: 3 FT 11 IN; HEIGHT: 5 FT 5 IN A/N: 233478	D51				
SUMP, 50 GALLON, FILTRATE COLLECTION A/N: 233478	D52				
<b>Process 6 : Rule 219 Exempt Equipment Subject to Source Specific Rules</b>					
<b>System 1 :</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E93			<b>VOC: (9) [RULE 1113,11-8-1996;RULE 1113, 7-13-2007;RULE 1171,11-7-2003;RULE 1171, 2-1-2008]</b>	K67.2
<b>Process 7 : METAL GRINDING OPERATIONS</b>					
<b>System 1 : AIR POLLUTION CONTROL</b>					
BAGHOUSE, NO. 1, MAC EQUIPMENT COMPANY, MODEL 4M2F64, PULSE JET CLEANED, 16256 SQ.FT. A/N: 405055	C100	C102 D108 D110 D111 D112 D113 D114		<b>PM: (9) [RULE 404,2-7-1986]</b>	D12.3, D381.1, E448.1, K67.1
FILTER, NO. 1, HEPA, FLANDERS, MODEL SLB-P-30-H-60W A/N: 405055	C102	C100			C10.1, D381.1, E448.1, K67.1

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : METAL GRINDING OPERATIONS</b>					
BAGHOUSE, NO. 2, MAC EQUIPMENT COMPANY, PULSE JET CLEANED, 16256 SQ.FT. A/N: 405053	C101	C103 D115 D116 D117 D118 D119 D120 D121		PM: (9) [RULE 404,2-7-1986]	D12.3, D381.1, E448.1, K67.1
FILTER, NO. 2, HEPA, FLANDERS, MODEL SLB-P-30H-60W A/N: 405053	C103	C101			C10.1, D381.1, E448.1, K67.1
ENCLOSURE, BUILDING HOUSING GRINDER BOOTHS A/N: 412137	D137				E57.1
<b>System 2 : METAL GRINDING</b>					
GRINDER, BOOTH, NO. 1, WITH TWO EXHAUST PLENUMS A/N: 412137	D108	C100		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 3, WITH TWO EXHAUST PLENUMS A/N: 412140	D110	C100		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH NO. 4, WITH TWO EXHAUST PLENUMS A/N: 412141	D111	C100		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 5, WITH TWO EXHAUST PLENUMS A/N: 412143	D112	C100		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 6, WITH TWO EXHAUST PLENUMS A/N: 412145	D113	C100		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO.7, WITH TWO EXHAUST PLENUMS A/N: 412153	D114	C100		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : METAL GRINDING OPERATIONS</b>					
GRINDER, BOOTH, NO. 8, WITH TWO EXHAUST PLENUMS A/N: 412155	D115	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 9, WITH TWO EXHAUST PLENUMS A/N: 412156	D116	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 10, WITH TWO EXHAUST PLENUMS A/N: 412157	D117	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 11, WITH TWO EXHAUST PLENUMS A/N: 412158	D118	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 12, WITH TWO EXHAUST PLENUMS A/N: 412159	D119	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 13, WITH TWO EXHAUST PLENUMS A/N: 412160	D120	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
GRINDER, BOOTH, NO. 14, WITH TWO EXHAUST PLENUMS A/N: 412161	D121	C101		PM: (9) [RULE 405,2-7-1986]	A433.1, A433.2, E71.1, K67.3
<b>Process 8 : I. C. ENGINES</b>					
<b>System 1 :</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, JOHN DEERE, MODEL 4045HF275G, TURBOCHARGED AND AFTERCOOLED, 153 HP A/N: 463551	D132		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; PM: 0.15 GRAM/BHP-HR (5) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002	B61.1, C1.2, C1.3, D12.2, E193.3, K67.4

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8 : L C. ENGINES</b>					
				<i>RULE 1470,6-1-2007</i> ; PM: (9) [RULE 404,2-7-1986]	

- \* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
SCHLOSSER FORGE COMPANY**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D4	1	1	0
D5	1	1	0
D6	2	1	0
D7	2	1	0
D8	2	1	0
D9	3	1	0
D10	3	1	0
D11	4	1	0
D12	4	1	0
D13	4	1	0
D14	5	1	0
D15	5	1	0
D17	6	1	0
D18	6	1	0
D19	6	1	0
D21	7	1	0
D22	7	1	0
D23	8	1	0
D24	8	1	0
D26	8	1	0
D27	9	1	0
D28	9	1	0
D29	10	1	0
D30	10	1	0
D31	10	1	0
D33	19	2	0
D34	19	2	0
D35	19	2	0
C36	19	2	0
D41	20	4	0
D42	20	4	0
D43	20	4	0
D44	20	4	0
D45	20	4	0
D46	20	4	0

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D47	20	4	0
D48	20	4	0
D49	20	4	0
D50	21	4	0
D51	21	4	0
D52	21	4	0
D57	11	1	0
D58	11	1	0
D63	12	1	0
D64	12	1	0
D67	13	1	0
D68	13	1	0
D71	14	1	0
D73	14	1	0
D74	15	1	0
E93	21	6	1
D94	16	1	0
D96	16	1	0
D98	17	1	0
C100	21	7	1
C101	22	7	1
C102	21	7	1
C103	22	7	1
D108	22	7	2
D110	22	7	2
D111	22	7	2
D112	22	7	2
D113	22	7	2
D114	22	7	2
D115	23	7	2
D116	23	7	2
D117	23	7	2
D118	23	7	2
D119	23	7	2
D120	23	7	2
D121	23	7	2

# **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

## **SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D122	17	1	0
D124	18	1	0
D126	18	1	0
D132	23	8	1
D137	22	7	1
D138	19	2	0
D139	19	2	0
D140	19	2	0
D141	19	2	0
C142	20	2	0



## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

#### **FACILITY CONDITIONS**

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 500 ppm by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

#### **DEVICE CONDITIONS**

##### **A. Emission Limits**

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 308.4 LBS IN ANY ONE MONTH
PM10	Less than or equal to 26.5 LBS IN ANY ONE MONTH
ROG	Less than or equal to 10.9 LBS IN ANY ONE MONTH
SOX	Less than or equal to 1.6 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D57, D58, D71]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 356 LBS IN ANY ONE MONTH
PM10	Less than or equal to 31 LBS IN ANY ONE MONTH
ROG	Less than or equal to 13 LBS IN ANY ONE MONTH
SOX	Less than or equal to 2 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D63]

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 96 LBS IN ANY ONE MONTH
PM10	Less than or equal to 21 LBS IN ANY ONE MONTH
ROG	Less than or equal to 19 LBS IN ANY ONE MONTH
SOX	Less than or equal to 2 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D64, D67, D68, D73, D74, D98]

A433.1 The operator shall limit the materials in the grinding dusts generated by all grinder booths 1, and 3 through 14 to the following:

Materials	Limits	Units
Nickel	44782	Pounds in any one calendar year
Manganese	26869	Pounds in any one calendar year
Lead	1791	Pounds in any one calendar year
Copper	179131	Pounds in any one calendar year
Vanadium	26870	Pounds in any one calendar year
Selenium	7721	Pounds in any one calendar year

The operator shall calculate the grinding dusts generated as follows:

Grinding dusts generated = Weight of Baghouse Catch/ Control Efficiency Fraction.

Where:

Control Efficiency Fraction = The lower of control efficiency fractions of the two baghouse/HEPA FILTER control equipment combinations, C100/C102 and C101/C103, as given by the test results from the latest approved test report.

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A433.2 The operator shall limit the combined emissions from all grinder booths 1, and 3 through 14 to the following.:

Materials	Limits	Units
Nickel	214	Pounds in any one calendar year
Manganese	128	Pounds in any one calendar year
Lead	8.5	Pounds in any one calendar year
Copper	859	Pounds in any one calendar year
Vanadium Pentoxide (calculated as vanadium)	129	Pounds in any one calendar year
Selenium	37	Pounds in any one calendar year

The operator shall calculate the emissions as follows:

Emission = (Weight of Baghouse Catch/Control Efficiency Fraction) x (1- Control Efficiency Fraction) x Contaminant Fraction.

Where:

- Control Efficiency Fraction = The lower of control efficiency fractions of the two baghouse/HEPA FILTER control equipment combinations, C100/C102 and C101/C103, as given by the test results from the latest approved test report.

- Contaminant Fraction: The fraction of contaminant in baghouse catch. For vanadium pentoxide (calculated as vanadium), the contaminant fraction is the fraction of vanadium in baghouse catch.

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

### **B. Material/Fuel Type Limits**

## FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

B59.1 The operator shall not use the following material(s) in this device :

Metal contaminated with rubber, plastic, paper, rags, oil, grease

Smoke producing material

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D17, D18, D19, D21, D22, D23, D24, D26, D27, D28, D29, D30, D31, D57, D58, D63, D64, D67, D68, D71, D73, D74, D94, D96, D98, D122, D124, D126]

B61.1 The operator shall only use diesel containing the following specified compounds:

Compound	Limit	ppm by weight
Sulfur	less than or equal to	15

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]**

[Devices subject to this condition : D132]

### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the fuel usage to no more than 1855700 cubic feet in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D122, D124, D126]

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.2 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D132]

- C1.3 The operator shall limit the maintenance testing to no more than 50 hour(s) in any one year.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D132]

- C1.4 The operator shall limit the operating time to no more than 299 in any one calendar month.

To comply with this condition, the operator shall install and maintain a non-resettable time meter to indicate the equipment operating time.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D138]

- C10.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 1.4 and 6.0 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C102, C103]

### **D. Monitoring/Testing Requirements**

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the furnace.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D57, D58, D63, D64, D67, D68, D71, D73, D74, D94, D96, D122, D124, D126]

- D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D132]

- D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C100, C101, C142]

- D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted every five-year period, with the first five-year period ending on June 30, 2005.

The test shall be conducted within 12 months of the approval of the NOx concentration limit.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D58, D64, D67, D68, D71, D73, D74, D94, D96, D98]

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine NO<sub>x</sub>, in ppmv at 3 % oxygen, at the outlet.

The test shall be conducted every five-year period, with the first five-year period ending on June 30, 2010.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D122, D124, D126]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C36, C142]



## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D3, D73, D74, D94, D96, D98]

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D33, D138]

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : C36, C100, C101, C102, C103, C142]

### **E. Equipment Operation/Construction Requirements**

E57.1 The operator shall vent this equipment to both baghouses C100 and C101 which are in full use whenever there is an item being outside of the grinder booth Nos. 1 and 3 through 14.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D137]

E71.1 The operator shall not use this equipment to process any parts containing compounds identified in Rule 1401, as amended 2/7/03, with the following exceptions: Nickel; Copper; Zinc; Manganese; Lead; Vanadium; Selenium.

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

E147.1 The operator shall not conduct melting in this equipment.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D57, D64, D67, D68, D71, D73, D74, D94, D96, D98]

E193.3 The operator shall restrict the operation of this equipment as follows:

Operation beyond the allotted time for engine maintenance and testing shall be allowed only in the event of a loss of grid power, or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages, or has indicated that it expects to issue such an order at a certain time, in the control area where the engine is located.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D132]

E448.1 The operator shall comply with the following requirements:

Dust collected in the baghouse shall be discharged only into enclosed containers or returned to process and shall not be handled in a manner that may result in the re-release of collected materials to the atmosphere.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C36, C100, C101, C102, C103, C142]

### **K. Record Keeping/Reporting**

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## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

NOx source test results shall be submitted to the District no later than 45 days after the test was conducted.

NOx emissions shall be expressed in terms of ppmv on a dry basis corrected to 3% oxygen.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D58, D64, D67, D68, D71, D73, D74, D94, D96, D98]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C36, C100, C101, C102, C103, C142]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E93]

## **FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Total weight of grinding dust collected in each calendar year

Analysis of grinding dust from each grinding dust shipment out of the facility for nickel, manganese, lead, copper, vanadium and selenium

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log listing the date of operation, the elapsed time, in hours, and the reason for operation shall be maintained. The records shall be kept for at least the last five years and made available to district personnel upon request.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D132]

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